

Please type a plus sign (+) inside this box

MAR 15 2007

PTO/SB/8A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/032,281
Sheet	1	of	2	Filing Date	December 21, 2001
				First Named Inventor	WYRICK, JOHN
				Group Art Unit	1637
				Examiner Name	Fredman, Jeffrey Norman
				Attorney Docket Number	10050560-1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
/JF/	A1	6,982,145		Mercola et al.	01-03-2006
	A2				
	A3				

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Country	Date of Publication of Cited Document MM-DD-YYYY
		Office <sup>3</sup>	Kind Code <sup>4</sup> (if known)		
/JF/	B1	WO	02/14550	PCT	02-21-2002
	B2	WO	04/053106	PCT	06-24-2004
	B3	WO	04/087965	PCT	10-14-2004
	B4	WO	04/097577	PCT	11-11-2004
/JF/	B5	WO	05/054461	PCT	06-16-2005
	B6				
	B7				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
/JF/	C1	BAR-JOSEPH et al., "Computational discovery of gene modules and regulatory networks," Nature Biotechnology, 21(11):1337-1342 (2003)			
	C2	BIGLER et al., "Isolation of a Thyroid Hormone-Responsive Gene by Immunoprecipitation of Thyroid Hormone Receptor-DNA Complexes", Molecular and Cellular Biology, 14:7621-7632 (1994)			
	C3	BIGLER et al., Novel location and function of a thyroid hormone response element," The EMBO Journal, 14:5710-5723 (1995)			
	C4	BOTQUIN et al., "New POU dimmer configuration mediates antagonistic control of an osteopontin preimplantation enhancer by Oct-4 and Sox-2," Genes & Development, 12:2073-2090 (1998).			
	C5	COHEN-KAMINSKY et al., "Chromatin immunoselection defines a TAL-1 target," The EMBO Journal, 17:5151-5160 (1998)			
	C6	DEVEAUX et al., "p45 NF-E2 regulates expression of thromboxane synthase in megakaryocytes," The EMBO Journal, 18:5654-5661 (1997)			
/JF/	C7	GOULD et al., "Targets of homeotic gene control in Drosophila," Nature 348:308-312 (1990)			

Examiner Signature	/Jeffrey Fredman/	Date Considered	06/06/2007
--------------------	-------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>5</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box 

PTO/SB/8B (08-04)

MAR 15 2007

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
Sheet	2	of	2	Application Number	10/032,281
				Filing Date	December 21, 2001
				First Named Inventor	Wyrick, John
				Group Art Unit	1637
				Examiner Name	Fredman, Jeffrey Norman
				Attorney Docket Number	10050560-1

<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
/JF/	C8	GOULD et al., "Connectin, a target of homeotic gene control in Drosophila," Development 116:1163-1174 (1992)			
	C9	GRABA et al., "Homeotic control in Drosophila; the scabrous gene is an <i>in vivo</i> target of Ultrabithorax proteins," The EMBO Journal 11:3375-3384 (1992)			
	C10	GRABA et al., "DWnt-4, a novel Drosophila Wnt gene acts downstream of homeotic complex genes in the visceral mesoderm," Development 121:209-218			
	C11	GRABA et al., "Drosophila Hox complex downstream targets and the function of Homeotic genes," BioEssays 19(5):379-388			
	C12	GRANDORI et al., "Myc-Max heterodimers activate a DEAD box gene and interact with multiple E box-related sites <i>in vivo</i> ," The EMBO Journal 15:4344-4357 (1996)			
	C13	HALLAHAN et al., "c-jun and Egr-1 Participate in DNA Synthesis and Cell Survival in Response to Ionizing Radiation Exposure," J. Biol Chem. 270(51):30303-30309			
	C14	HARTEMINK et al., "Combining location and expression data for principled discovery of genetic regulatory network models," Proceedings of the Pacific Symposium on Biocomputing, 437-449 (2002)			
	C15	KOHWI-SHIGEMATSU et al., "Identification of Base-Unpairing Region-Binding Proteins and Characterization of Their <i>in Vivo</i> Binding Sequences," Methods of Cell Biology 53:323-354 (1998)			
	C16	Lee et al., "Transcriptional Regulatory Networks in <i>Saccharomyces cerevisiae</i> ," Science, 298:799-804 (2002)			
	C17	MUKHERJEE et al., "Rapid analysis of the DNA binding specificities of transcription factors with DNA microarrays," Nature Genetics, 36(12):1331-1339, (2004)			
	C18	NICKERSON et al., "The nuclear matrix revealed by eluting chromatin from a cross-lined nucleus," Proc. Natl. Acad. Sci. USA 94:4446-4450 (1997)			
	C19	ODOM et al., "Control of Pancreas and Liver Gene Expression by HNF Transcription Factors," Science, 303(5662):1378-1381 (2004)			
	C20	ORLANDO et al., "Mapping Polycomb-Repressed Domains in the Bithroax Complex Using <i>In Vivo</i> Formaldehyde Cross-Linked Chromatin," Cell, 75:187-1198 (1993)			
	C21	ORLANDO et al., "Analysis of Chromatin Structure by <i>In Vivo</i> Formaldehyde Cross-Linking," METHODS: a Companion to Methods in Enzymology, 11:205-214 (1997)			
	C22	PRADEL et al., "From selectors to realizers," Int. J. Dev. Biol. 42:417-421			
	C23	SCHOUTEN, The Journal of Biol. Chem. 260:9929-9935 (1985)			
	C24	SOLOMON et al., "Formaldehyde-Mediated DNA-Protein Crosslinking: A Probe for <i>In Vivo</i> Chromatin Structures," Proc. Natl. Acad. Sci. USA 82:6470-6474 (October 1985)			
	C25	TOMOTSUNE, "A mouse homologue of the Drosophila tumour-suppressor gene 1(2)gl controlled by Hox-C8 <i>In vivo</i> ," Nature 366:69-72			
	C26	WALTER et al., "Measurement of <i>In Vivo</i> DNA Binding by Sequence-Specific Transcription Factors Using UV Cross-Linking," METHODS: a Companion to Methods in Enzymology 11:215-224 (1997)			
↓/JF/	C27	WEINMANN et al., "Isolating human transcription factor targets by coupling chromatin immunoprecipitation and CpG island microarray analysis," Genes & Development, 16:235-244, (2002)			
↓/JF/	C28	WYRICK et al., "Deciphering gene expression regulatory networks," Current Opinion in Genetics and Development, 12:130-136, (2002)			
Examiner Signature	/Jeffrey Fredman/			Date Considered	06/06/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English Language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



**Form PTO-1449**

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT**

(Use several sheets if necessary)

**ATTORNEY DOCKET NO.**  
**10050560-1**

**SERIAL NO..**  
**10/032,281**

**APPLICANT**

John Wyrick

**FILING DATE**

**RECEIVING DATE**

## **REFERENCE DESIGNATION**

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENT**

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION YES      NO

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)**

/JF/	Tanabe et al., "Evaluation of a Whole-Genome Amplification Method Based on Adaptor-Ligation PCR of Randomly Sheared Genomic DNA", Genes, Chromosomes & Cancer (2003) 38:168-176

**EXAMINER**

/Jeffrey Fredman/

**DATE CONSIDERED**

06/06/2007

\* Copies of these references are not enclosed Pursuant to 37 CFR 1.98(d). (See accompanying IDS)

Page 1 of 1